

Amendments to the Claims:

The text of all pending claims, (including withdrawn claims) is set forth below. Canceled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (canceled), (withdrawn), (new), (previously presented), or (not entered).

Applicant reserves the right to pursue any canceled claims at a later date.

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1 – 11 (canceled)

12. (previously presented) A heat exchanger tube, comprising:

a tube through which a cooling medium flows, having an outside surface and an inside surface, the inside surface comprising an uppermost portion that encompasses an uppermost position of the tube when the tube is oriented for operation, and a non-uppermost portion located remote from the uppermost portion,;

a first layer arranged on the outside surface of the tube for reducing an adhesion of a steam medium; and

a second toxically acting layer arranged on a non-uppermost portion of the inside surface of the tube, but not arranged on the uppermost portion of the inside surface of the tube, wherein the toxically acting layer reduces formation and growth of organic substances on the non-uppermost portion of the inside surface of the tube through a toxic effect on organic substances.

13. (previously presented) The heat exchanger tube as claimed in claim 12, wherein the first layer or the second layer are formed by a plurality of sub-layers.

14. (canceled)

15. (canceled)

16. (canceled)

17. (canceled)

18. (previously presented) A steam power heat exchanger system, comprising:
a heat source;
a boiler connected to the heat source that intakes a liquid working fluid and heats the fluid to generate a steam flow;
a steam turbine connected to the boiler that expands the steam flow; and
a condenser that condenses the expanded steam flow into the liquid working fluid, wherein the condenser comprises:

a plurality of heat exchanger tubes having a weld seam running along a long axis of the tube arranged in the assembled condenser such that the tube weld seam is located at an upper most position of the tube cross section when the tubes are in operation, the heat exchanger tubes further having an outside surface and an inside surface, the inside surface comprising an uppermost portion that encompasses an uppermost position of the tube when the tube is oriented for operation, and a non-uppermost portion located remote from the uppermost portion, wherein:

a first layer is arranged on the outside surface of the tube for reducing an adhesion of the steam flow,

a second toxically acting layer is arranged on the non-uppermost portion of the inside surface of the tube, but not arranged on the uppermost portion of the inside surface of the tube, wherein the toxically acting layer reduces formation and growth of organic substances on the non-uppermost portion of the tube inner surface through a toxic effect on organic substances; and

a steam flow routing configured to route the steam flow upon the outside surface of the heat exchanger tube.

19. (canceled)

20. (previously presented) The second toxically acting layer as claimed in claim 12, wherein the toxically acting layer comprises an organic silicate network.

21. (canceled)

22. (currently amended) The steam power heat exchanger system as claimed in claim 18, wherein the non-uppermost portion of the inside surface of the tube starts at the tube's three o'clock position and ends at the tube's nine o'clock position.

23. (canceled)

24. (previously presented) The steam power heat exchanger system as claimed in claim 18, wherein the second toxically acting layer material comprises an organic silicate network.